TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT Docket No. (Under 37 CFR 1.97(b) or 1.97(c) 026505-01-CFP In Re Application Of: ARMEN M. BOLDI, ET AL யா 0 8 2002 வ் RECENTER 1600/2900 Serial No. Filing Date Examiner 10/054,019 January 22, 2002 Not Known Title: SYNTHESIS OF FURANOSE AND AMINOFURANOSE COMPOUNDS Address to: **Assistant Commissioner for Patents** Washington, D.C. 20231 37 CFR 1.97(b) 1. Mark The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114. 37 CFR 1.97(c) 2. 

The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(b), provided that the Information Disclosure Statement is filed before the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application, and is accompanied by one of: ☐ the statement specified in 37 CFR 1.97(e); OR the fee set forth in 37 CFR 1.17(p).

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(1)	Under 37 CFR 1.97(b) or 1.9	760PE	Docket No. 02,0505-01-CFP
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Serial No.	Filing Date	Examiner Examiner	Group Art Unit
10/054,019	January 22, 2002	Not Known	1645
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Application Number	10/054,019			
Filing Date	January 22, 2002			
First Named Inventor Armen M. Boldi, et al				
Group Art Unit	Not Known			
Examiner Name	Not Known			
Attorney Docket Number	020505-01-CFP			

				U.S. PATENT DOCU	MENTS	
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Application Number	10/054.019			
Filing Date	January 22, 2002			
First Named Inventor	Armen M. Boldi, et al			
Group Art Unit	Not Known			
Examiner Name	Not Known			
Attorney Docket Number	020505-01-CFP			

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		REETZ, et al, "A Highly Active Phosphine-free Catalyst System for Heck Reactions of Aryl Bromides", Tetrahedron Letters 39, 1998, pp 8449-8452	
		YU, et al, "Process Optimizzation in the Synthesis of 9-[2-(Diethylphosphonomethoxy)ethyl]adenine: Replacement of Sodium Hydride with Sodium tert-Butoxide as the Base for Oxygen Alkylation", Organic Process Research & Development, 1999, 3, pp 53-55	
		ABDEL-MAGID, et al, "Reductive Amination of Aldehydes and Ketones by Using Sodium Triacetoxyborohydride", Tetrahedron Letters, 1990, Vol. 31, No. 39, pp 5995-5598	
		ABDEL-MAGID, et al, "Reductive Amination of Aldehydes and Ketones with Sodium Triacetoxyborohydride. Studies on Direct and Indirect Reductive Amination Procedures", J. Org. Chem, 1996, 61, pp 3849-3862	
		LOVE, et al, "A Comparison of Imine Forming Methodologies", Organic Preparations and Procedures, Int., 31(4), 1999, pp 399-405	
		HICKS, et al, "Removal of Boric Acid and Related Compounds From Solutions of Carbohydrates With a Boron-Selective Resin (IRA-743), Carbohydrate Research, 147, (1986); pp 39-48	
		REPIC, Principles of Process Research and Chemical Development in the Pharmaceutical Industry, Wily; New York, NY; 1998; pp 71-74 - COPY TO FOLLOW	
		KALDOR, et al, "Use of Solid Supported Nucleophiles and Electrophiles for the Purification of Non-Peptide Small Molecule Libraries", Tetrahedron Letters, 1996, Vol. 37, No. 40, pp 7193-7196	
*		HODGES, John C., "Covalent Scavengers for Primary and Secondary Amines", Synlett, 1999, No. 1, pp 152-158	
		GAYO, et al. "Ion-Exchange Resins for Solution Phase Parallel Synthesis of Chemical Libraries", Tetrahedron Letters, 1997, Vol. 38, No. 4, pp 513-516	C
		BOOTH, et al, "Solid-Supported Reagent Strategies for Rapid Purification of Combinator of Synthesis Products", Acc. Chem. Res., 1999, 32, pp 18-26	3
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Application Number 10/054.019

Filing Date January 22, 2002

First Named Inventor Armen M. Boldi, et al Group Art Unit Not Known

Examiner Name Not Known

Attorney Docket Number 020505 01 CER

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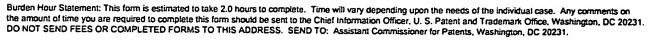
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		WEIDNER, et al, "Polymer-assisted solution phase synthesis: a general method for sequestration of byproducts formed from activated acyl-transfer reactants". Tetrahedron Letters 40, 1999, pp 239-242	
		KRUEGER, et al. "Solution-Phase Library Synthesis of Furanoses", Journal Combinatorial Chemistry, April 9, 2002; pp A-J	T
		KALLUS, et al, "Combinatorial Solid-Phase Synthesis Using D-Galactose as a Chiral Five-Dimension-Diversity Scaffold", Tetrahedron Letters 40, 1999; pp 7783-7786	
		TRONCHET, et al, "Analogues of Blocked Disaccharides bearing an N-Hydroxyimino and Nitroxyl Free Radicals thereof", J. Chem. Research (S), 1989, pp 334	l
		MOORE, et al, "Dipolar Cycloaddition Reaction on a Soluble Polymer-Supported Dipolarophile: Synthesis of Sugar-derived Triazoles", Tetrahedron Letters 39 (1998), pp 7027-7030	
		HOLLINGSWORTH, et al, "Toward a Carbohydrate-Based Chemistry: Progress in the Development of General-Purpose Chiral Synthons from Carbohydrates", Chem. Rev., 2000, pp A-P	
		HIRSCHMANN, et al, "Development of an Efficient, Regio- and Steroselective Route to Libraries Based on the -D-Glucose Scaffold", J. Org. Chem. 2000, 65, pp 8307-8316	
		BOLDI, ARMEN N., "Libraries Containing Natural Product Structural Motifs", Presentation at CHI High Throughput Organic Synthesis, San Diego, California, February 15, 2001	
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